

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("7161630").PN.	US-PGPUB; USPAT	OR	OFF	2008/12/23 10:59
S1	1	("20040247311").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/20 11:50
S2	37	(satoshi same ajiki).in. or (kazuhiro same yaegashi).in. or (hukihiro same furusawa).in. or (hironori same nakajo).in. or (michio same sasaki).in.	US-PGPUB; USPAT	AND	ON	2007/06/20 11:52
S3	3	S2 and module.clm.	US-PGPUB; USPAT	AND	ON	2007/06/20 11:52
S4	12	("20050060842"   "20050153600"   "4130327"   "4144648"   "4278311"   "4395084"   "4511201"   "4560217"   "4652973"   "4676571"   "5713744"   "6862804").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2007/06/20 12:51
S5	7	("7112083").URPN.	USPAT	AND	ON	2007/06/20 12:55
S6	7	("4594613"   "5302778"   "5359190"   "5673083"   "5821532"   "5828409"   "5861654").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2007/06/20 13:44
S7	10	("20030137595"   "4594613"   "5007854"   "5302778"   "5400072"   "5424531"   "5495114"   "6359652"   "6518656"   "6693674").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2007/06/20 13:57
S8	14	("20010030276"   "20010050717"   "4634884"   "5021888"   "5424531"   "5748448"   "5786589"   "6043482"   "6160967"   "6417885"   "6483101"   "6528778"   "6654064"   "6727564").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2007/06/20 14:01
S9	8	("20010010562"   "20010055073"   "20020044213"   "5672902"   "5742484"   "6268231"   "6476417"   "6654064").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2007/06/20 14:10
S10	8	("20010010562"   "20010055073"   "20020044213"   "5672902"   "5742484"   "6268231"   "6476417"   "6654064").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2007/06/20 14:10
S11	8	("6483101"   "6483652"   "6654187"   "6683298"   "6727431"   "6741405"   "6791076"   "6900913").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2007/06/20 14:12
S12	11	("20010004269"   "20040082202"   "20040139579"   "20040196403"   "5335142"   "6256837"   "6694569"   "6694570"   "6742221"   "6742756"   "6804861").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2007/06/20 14:23
S13	1	("20040247311").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/20 15:07
S14	374	(348/374).COLS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 15:08

## EAST Search History

S15	551	<p>(US-20030016284-\$ or US-20040080642-\$ or US-20040056971-\$ or US-20070070511-\$ or US-20070070228-\$ or US-20070069395-\$ or US-20070069105-\$ or US-20070065128-\$ or US-20070057150-\$ or US-20070057148-\$ or US-20070054419-\$ or US-20070053685-\$ or US-20070047952-\$ or US-20070047109-\$ or US-20070045551-\$ or US-20070045550-\$ or US-20070040932-\$ or US-20070035785-\$ or US-20070034782-\$ or US-20070029466-\$ or US-20070025715-\$ or US-20070019950-\$ or US-20070019102-\$ or US-20070019101-\$ or US-20060268157-\$ or US-20060266835-\$). did. or (US-20060257131-\$ or US-20060252246-\$ or US-20060244859-\$ or US-20060243884-\$ or US-20060239671-\$ or US-20060140609-\$ or US-20060231750-\$ or US-20060228103-\$ or US-20060228099-\$ or US-20060227236-\$ or US-20060221469-\$ or US-20060219862-\$ or US-20060209365-\$ or US-20060209205-\$ or US-20060204243-\$ or US-20060203875-\$ or US-20060203095-\$ or US-20060202318-\$ or US-20060197862-\$ or US-20060189216-\$ or US-20060189183-\$ or US-20060187337-\$ or US-20060181633-\$ or US-20060171701-\$ or US-20060171698-\$ or US-20060170814-\$ or US-20060164539-\$). did. or (US-20060163461-\$ or US-20060152826-\$ or US-20060152614-\$ or US-20060152576-\$ or US-20060141226-\$ or US-20060140459-\$ or US-20060139482-\$ or US-20060133794-\$ or US-20060133655-\$ or US-20060132935-\$ or US-20060132644-\$ or US-20060056042-\$ or US-20060044455-\$ or US-20060043513-\$ or US-20060042064-\$ or US-20060291853-\$ or US-20060290802-\$ or US-20060290801-\$ or US-20060289733-\$ or US-20060284053-\$ or US-20060280499-\$ or US-20060276059-\$ or US-20060270094-\$ or US-20060269268-\$ or US-20060126194-\$ or US-20060098969-\$ or US-20060125925-\$). did. or (US-20060119730-\$ or US-20060114496-\$ or US-20070071437-\$ or US-200601114344-\$ or US-20060109567-\$ or US-20060109368-\$ or US-20070058270-\$ or US-20070058271-\$ or US-20070058272-\$ or US-20060109352-\$ or US-20070053682-\$ or US-20060108352-\$ or US-20060108353-\$ or US-20070058273-\$ or US-20070058274-\$) </p>	US-PGPUB; AND USPAT	ON	2007/06/20 15:13
12/23/2008 11:06:38 AM					

## EAST Search History

S16	268	S14 not S15	US-PGPUB; USPAT	AND	ON	2007/06/20 15:46
S17	1	("20040012692").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/20 15:56
S18	917	(348/373).OCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 15:57
S19	840	S18 not (S14 or S15)	US-PGPUB; USPAT	AND	ON	2007/06/20 16:32
S20	127	S19 and module	US-PGPUB; USPAT	AND	ON	2007/06/20 16:04
S21	1747	(455/556.1,556.2).OCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 16:04
S22	586	S21 and (camera or imager or imaging)	US-PGPUB; USPAT	AND	ON	2007/06/20 16:29
S23	277	S22 and @ad<"20030333"	US-PGPUB; USPAT	AND	ON	2007/06/20 16:05
S24	251	yoder.xa.	US-PGPUB; USPAT	AND	ON	2007/06/20 16:06
S25	108	misleh.xa.	US-PGPUB; USPAT	AND	ON	2007/06/20 16:06
S26	3	("5259019"   "5491507"   "5832080").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2007/06/20 16:23
S27	169	(348/211.2).OCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 16:23
S28	57	S27 and module	US-PGPUB; USPAT	AND	ON	2007/06/20 16:29
S29	858	(257/433).OCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 16:29
S30	201	S29 and (camera or imager or imaging)	US-PGPUB; USPAT	AND	ON	2007/06/20 16:29
S31	168	S30 not (S14 or S15)	US-PGPUB; USPAT	AND	ON	2007/06/20 16:44
S32	1	("d000016").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/20 16:45
S33	0	("des0016").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/20 16:45
S34	11231	(d16).CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 16:48
S35	636	(d16/200,211,219).OCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 16:48
S36	341	S35 and @ad<"20030330"	US-PGPUB; USPAT	AND	ON	2007/06/20 17:03
S37	452	spring\$4 adj electrode	US-PGPUB; USPAT	AND	ON	2007/06/20 17:04

## EAST Search History

S38	0	S37 and camrea	US-PGPUB; USPAT	AND	ON	2007/06/20 17:04
S39	191	S37 and (camera or image or sensor)	US-PGPUB; USPAT	AND	ON	2007/06/20 17:04
S40	117	S39 and @ad<"20030330"	US-PGPUB; USPAT	AND	ON	2007/06/20 17:16
S41	104357	("348").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 17:16
S42	1	S37 and S41	US-PGPUB; USPAT	AND	ON	2007/06/20 17:16
S43	13	(US-20030137595-\$ or US-20020057468-\$).did. or (US-4676571-\$ or US-4511201-\$ or US-4395084-\$ or US-4278311-\$ or US-4144648-\$ or US-4130327-\$ or US-5673083-\$ or US-5424531-\$ or US-5400072-\$ or US-7133691-\$ or US-5408359-\$).did.	US-PGPUB; USPAT	AND	ON	2007/06/20 17:19
S44	0	S43 and camear	US-PGPUB; USPAT	AND	ON	2007/06/20 17:19
S45	5	S43 and camera	US-PGPUB; USPAT	AND	ON	2007/06/20 17:19
S46	0	("339").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 17:20
S47	84591	("439").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/20 17:20
S48	1880	S47 and (camera or imager or "imaging element" or "image sensor")	US-PGPUB; USPAT	AND	ON	2007/06/20 17:37
S49	229	S48 and electrode\$2	US-PGPUB; USPAT	AND	ON	2007/06/20 17:21
S50	126	S49 and @ad<"20030330"	US-PGPUB; USPAT	AND	ON	2007/06/20 17:21
S51	305	S47 and ((camera or imager or "imaging element" or "image sensor") with (housing or module))	US-PGPUB; USPAT	AND	ON	2007/06/20 17:37
S52	126	S51 and @ad<"20030330"	US-PGPUB; USPAT	AND	ON	2007/06/20 17:38
S53	106	S52 not S50	US-PGPUB; USPAT	AND	ON	2007/06/20 17:47
S54	183	S15 and @ad<"20030330"	US-PGPUB; USPAT	AND	ON	2007/06/20 17:47
S55	16	("3663920"   "3877064"   "3940786"   "4050755"   "4093330"   "4130327"   "4142287"   "4144648"   "4155615"   "4193654"   "4220383"   "4222622"   "4223370"   "4278311"   "4395084"   "4410223").PN.	US-PGPUB; USPAT; USOOR	AND	ON	2007/06/21 08:45

## EAST Search History

S56	10	("3026494"   "3877064"   "3904262"   "3940786"   "3951491"   "3982159"   "4008938"   "4063791"   "4340266").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/06/21 08:55
S57	84656	("439").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 08:55
S58	1708	S57 and module.ti.	US-PGPUB; USPAT	AND	ON	2007/06/21 08:55
S59	496	S58 and socket	US-PGPUB; USPAT	AND	ON	2007/06/21 08:55
S60	370	S59 and @ad<"20030330"	US-PGPUB; USPAT	AND	ON	2007/06/21 09:19
S61	82	(439/947).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 09:32
S62	433	(439/68).OCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 09:32
S63	340	S62 and @ad<"20030330"	US-PGPUB; USPAT	AND	ON	2007/06/21 11:27
S64	1	("20020191103").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/21 11:27
S65	1	("4089575").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/16 14:17
S66	1	("4739356").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/16 14:17
S67	7	(spring adj electrode) with hook	US-PGPUB; USPAT	AND	ON	2008/12/22 16:16
S68	501	(spring adj electrode)	US-PGPUB; USPAT	AND	ON	2008/12/22 16:25
S69	322	S68 and @ad<"20030331"	US-PGPUB; USPAT	AND	ON	2008/12/22 16:25
S70	16	(spring adj electrode) same socket	US-PGPUB; USPAT	AND	ON	2008/12/22 16:25
S71	8	S70 and @ad<"20030331"	US-PGPUB; USPAT	AND	ON	2008/12/22 16:25
S72	13	(spring adj electrode) same tool	US-PGPUB; USPAT	AND	ON	2008/12/22 16:31
S73	3	(spring adj electrode) with recess	US-PGPUB; USPAT	AND	ON	2008/12/22 16:35
S74	0	(spring adj electrode) with cutout	US-PGPUB; USPAT	AND	ON	2008/12/22 16:39
S75	3649	(lock adj spring)	US-PGPUB; USPAT	AND	ON	2008/12/22 16:55
S76	4	(lock adj spring) with electrode	US-PGPUB; USPAT	AND	ON	2008/12/22 16:55
S77	67956	(leaf adj spring)	US-PGPUB; USPAT	AND	ON	2008/12/22 16:56

## EAST Search History

S78	3794	(leaf adj spring) with recess	US-PGPUB; USPAT	AND	ON	2008/12/22 16:57
S79	90	(leaf adj spring) with recess with (electrode or conduct\$4)	US-PGPUB; USPAT	AND	ON	2008/12/22 16:57
S80	68	S79 and @ad<"20030331"	US-PGPUB; USPAT	AND	ON	2008/12/22 16:57
S81	502	(348/374).OCLS.	US-PGPUB; USPAT	OR	OFF	2008/12/22 17:04
S82	23	S81 and (leaf adj spring)	US-PGPUB; USPAT	AND	ON	2008/12/22 17:04
S83	889	socket with (leaf adj spring)	US-PGPUB; USPAT	AND	ON	2008/12/22 17:07
S84	123	socket with (leaf adj spring) with (recess or hole)	US-PGPUB; USPAT	AND	ON	2008/12/22 17:07
S85	98	S84 and @ad<"20030331"	US-PGPUB; USPAT	AND	ON	2008/12/22 17:07
S86	26179	(348/207.99-375).OCLS.	US-PGPUB; USPAT	OR	OFF	2008/12/22 17:11
S87	14487	S86 and @ad<"20030331"	US-PGPUB; USPAT	AND	ON	2008/12/22 17:11
S88	104	S87 and (leaf adj spring)	US-PGPUB; USPAT	AND	ON	2008/12/22 17:11
S89	87	S88 not S82	US-PGPUB; USPAT	AND	ON	2008/12/22 17:12
S90	33	S87 and (leaf adj spring) same (hole or recess or indentation)	US-PGPUB; USPAT	AND	ON	2008/12/22 17:16
S91	28	S90 not S82	US-PGPUB; USPAT	AND	ON	2008/12/22 17:16
S92	17132	(leaf adj spring).clm.	US-PGPUB; USPAT	AND	ON	2008/12/22 17:25
S93	77	(spring adj electrode).clm.	US-PGPUB; USPAT	AND	ON	2008/12/22 17:25
S94	57	S93 and @ad<"20030331"	US-PGPUB; USPAT	AND	ON	2008/12/22 17:25
S95	3	(spring adj electrode).ti.	US-PGPUB; USPAT	AND	ON	2008/12/22 17:26
S96	709	(leaf adj spring).ti.	US-PGPUB; USPAT	AND	ON	2008/12/22 17:26